Hybrid System

Your vehicle is a hybrid vehicle. It has characteristics different from conventional vehicles. Be sure you are closely familiar with the characteristics of your vehicles, and operate with care.
The hybrid system combines a gasoline engine and an electric motor (traction motor) according to driving conditions, improving fuel efficiency and reducing exhaust emissions.
For details, refer to the “Owner's Manual”.

Hybrid system indicator gauge

Displays the output and regenerative level of the hybrid system.

- By keeping the needle within the “ECO” zone, more fuel-efficient driving can be achieved.
- The “CHG” zone indicates regeneration status.

Regenerative braking

The motor generator converts kinetic energy to electric energy when:

- The accelerator pedal is released.
- The brake pedal is depressed with the shift lever in “D”, “S” or “R”.

Sounds and vibrations specific to a hybrid vehicle

There may be no engine sounds or vibrations even though the vehicle is able to move. Always put the shift lever in “P” when parked.
The following sounds or vibrations may occur when the hybrid system is operating, and are not a malfunction:

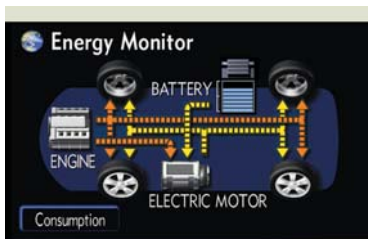
- Motor sounds may be heard from under the vehicle.
- Sounds may be heard from the hybrid battery (traction battery) behind the rear seat when the hybrid system starts or stops.
- Sounds may be heard from the transmission when the hybrid system starts or stops.
- Engine sounds may be heard when accelerating sharply.
- Sounds may be heard due to energy regeneration when you depress the brake pedal.
- Vibrations may be felt when the gasoline engine starts or stops.
- You may hear cooling fan sounds coming from the air intake vents behind the rear seat.

Energy Monitor / Consumption Screens

You can view the status of your hybrid system on the multi-information display and the touch screen.

Energy monitor

The energy monitor can be displayed on both the touch screen and the multi-information display.

- How to display on the touch screen:
  Press "INFO" to display the information screen, and touch .
  If the "Consumption" screen is displayed, touch Energy.
- How to display on the multi-information display:
  Press the "DISP" switch on the steering wheel several times to select the energy monitor display.

- The flow of energy is displayed on the touch screen.
  Amber: gasoline energy
  Yellow: electrical energy
  Green: energy recovery
    A green arrow appears when regenerative braking occurs.

- The flow of energy is indicated by the movement of the arrows on the multi-information display.
- The battery display acts as an 8-step indicator of the hybrid battery level.

The displayed energy flow, battery level, etc. will change in response to the current driving conditions.

n Consumption

Press “INFO” to display the information screen, and touch [Trip Information].
If the “Energy Monitor” screen is displayed, touch [Consumption].

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1 Fuel consumption in the past 30 minutes

2 Regenerated energy in the past 30 minutes
One symbol indicates 50 Wh. Up to 4 symbols are shown.

3 Best past fuel consumption

4 Average fuel consumption

5 Cruising range

n Hybrid warning message

A message is automatically shown when a malfunction occurs in the hybrid system or an improper operation is attempted.

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If a warning message is shown on the multi-information display, read the message and follow the instructions.